Claims

1. A solid phytase composition comprising:

(a) an enzyme having phytase activity, and

(b) a lactic acid source,

wherein the phytase activity of the composition is above 20 units/g.

2. The composition of claim 1, wherein the lactic acid source comprises at least 10% lactic acid.

3. The composition of claim 1, which comprises lactic acid in an amount of 0.01 - 10%.

4. The composition of claim 1, wherein the lactic acid source is Corn Steep Liquor (CSL).

5. The composition of claim 4, the chromatogram of which, when analyzed by HPLC according to Example 8 herein, reveals the presence of one or more of peaks 1-10.

6. The composition of claim 4, comprising CSL in an amount of 0.01 - 15%.

7. The composition of claim 1, further comprising a starch source.

8. The composition of claim 1, further comprising a disaccharide.

9. The composition of claim 1, additionally comprising a carrier material.

10. The composition of claim 1, additionally comprising a filler material.

11. The composition of claim 1, additionally comprising one or more vitamins, one or more minerals or a mixture of both.

12. A process for preparing a solid phytase composition which comprises drying a lactic acid source together with an enzyme having phytase activity, wherein the phytase activity of the solid composition is above 20 units/g.

13. The process of claim 12, wherein the lactic acid source is Corn Steep Liquor (CSL).

14. The process of claim 12, wherein the solid phytase composition is a phytase granulate composition, and which process comprises:

(a) spraying the enzyme having phytase activity onto a carrier;

(b) spraying the lactic acid source onto the carrier;

(c) mixing; and

(d) drying.

15. The process of claim 12, wherein the drying is a spray-drying.

16. The process of claim 12, further comprising the addition of one or more starch sources.

17. The process of claim 12, further comprising the addition of one or more disaccharides.

18. A solid composition having a phytase activity above 20 units/g and being obtainable by the process of claim 12.

19. A solid phytase composition consisting essentially of:

(a) an enzyme having a phytase activity of above 20 FYT/g of the composition, and

(b) a lactic acid source in an amount of 0.01-15% by weight to provide lactic acid in an amount sufficient to stabilize the enzyme.

20. The composition of claim 19, wherein the lactic acid is present in an amount of 0.01 - 10%.

21. The composition of claim 19, having a chromatogram determined by HPLC, which has one or more of peaks 1-10.

22. The composition of claim 19, further consisting essentially of a starch material.

23. The composition of claim 19, further consisting essentially of a disaccharide.

24. The composition of claim 19, further consisting essentially of a carrier material.

25. The composition of claim 19, further consisting essentially of a filler material.

26. The composition of claim 19, further consisting essentially of one or more vitamins, one or more minerals or a mixture of both.

27. The solid phytase composition of claim 19, wherein the enzyme has a phytase activity of at least 25 FYT/g of the composition.

28. The solid phytase composition of claim 27, wherein the enzyme has a phytase activity of at least 50 FYT/g of the composition.

29. The solid phytase composition of claim 28, wherein the enzyme has a phytase activity of at least 100 FYT/g of the composition.

30. The solid phytase composition of claim 29, wherein the enzyme has a phytase activity of at least 250 FYT/g of the composition.

31. The solid phytase composition of claim 30, wherein the enzyme has a phytase activity of at least 500 FYT/g of the composition.

32. The solid phytase composition of claim 31, wherein the enzyme has a phytase activity of at least 750 FYT/g of the composition.

33. The solid phytase composition of claim 32, wherein the enzyme has a phytase activity of at least 1000 FYT/g of the composition.